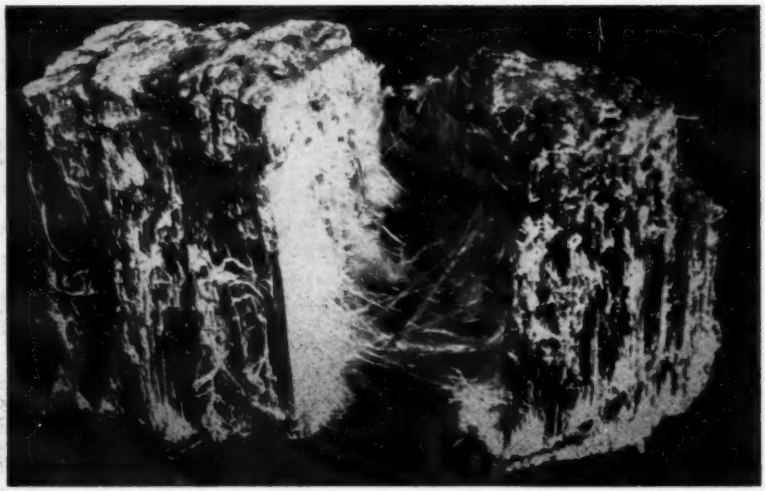
ASBESTOS

Vermont (U.S.A.) Crude

Courtesy The Ruberoid Co.

FEBRUARY 1955

ASBESTOS



Vermont (U.S.A.) Crude *Courtesy The Ruberoid Co.*

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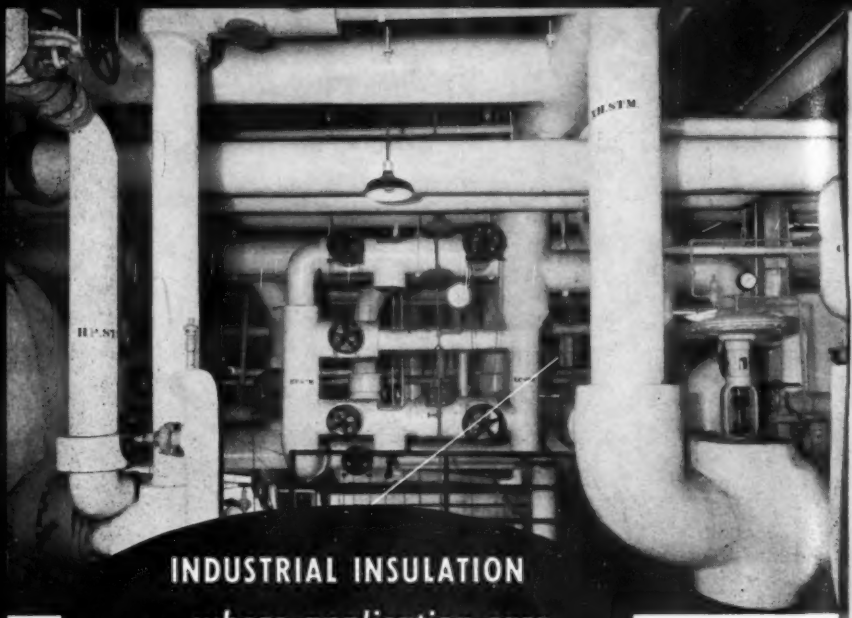

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E. E. COX, *Editor*

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REPORTS ON ASSOCIATION ACTIVITIES

1. Asbestos Textile Institute

The Asbestos Textile Institute in 1954 continued to grow in membership and in the scope of the activities and services for the Industry.

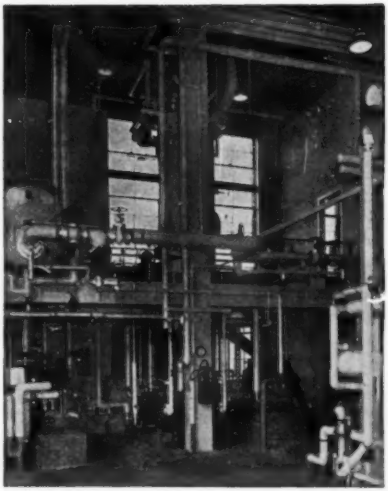
During the past two years, the officers serving the Institute were: President, D. W. Widmayer, Keasbey & Mattison Company; Vice President, F. J. Wakem, Johns-Manville Corporation; Treasurer, A. J. Scanlan, American Asbestos Textile Corporation; and Secretary, M. C. Shaw. The officers elected to serve during 1955 are: President, F. J. Wakem, Johns-Manville Corp.; Vice President, J. F. Corcoran, Union Asbestos & Rubber Company; Treasurer, J. G. Schoepf, Asten-Hill Mfg. Company; and Secretary, M. C. Shaw.

The membership of the Institute is now composed of seven Member Companies including:

American Asbestos Textile Corp., Norristown, Pa.
Asten-Hill Manufacturing Co., Philadelphia 29, Pa.
Johns-Manville Corporation, New York 16, N. Y.
Keasbey & Mattison Company, Ambler, Pa.
Raybestos-Manhattan, Inc., Manheim, Pa.
Southern Asbestos Company, Charlotte 1, N. C.
Union Asbestos & Rubber Company, Chicago 4, Ill.

In addition, nine Associate Member Companies participate in the work of the Institute and include:

Asbestos Corporation, Ltd., Thetford Mines, Quebec, Canada.
British Belting and Asbestos, Ltd., Cleckheaton, Yorkshire, England.
Cassiar Asbestos Corp., Ltd., Toronto, Canada.
English Asbestos Company, Ltd., Brislington, Bristol 4, England.
Johnson's Company, Ltd., Thetford Mines, Quebec, Canada.
Small & Parkes, Ltd., Manchester 9, England.
Societe Anonyme Francaise Du Ferodo, Paris, France.
Societe Francaise De l'Amiante, Paris, France.



For more than 60 years the most efficient and practical insulation up to 600° F.—

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THE CONTRACTOR, because it is easily handled and installed.

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"Featherweight" 85% Magnesia is foremost in a complete line of insulations designed for various kinds and conditions of service.

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The Cape Asbestos Co., Ltd., London, England.

The Asbestos Textile Institute carries on the greater part of its work through the activities of three committees which represent various scopes of interest. The Air Hygiene Committee, under the Chairmanship of H. M. Jackson, Johns-Manville Corp., has been actively engaged in the consideration of problems related to the improvement of health and hygienic conditions within the industry. In these endeavors this committee has, on several occasions, met jointly with a group of medical authorities and doctors for discussions pertaining to pulmonary conditions. The results of these conferences have been very fruitful and through the continued efforts of this group, further advancements in the health and hygiene of the industry are foresen.

The Sales Promotion Committee, under the Chairmanship of A. E. Whitfield, Keasbey & Mattison Company, continues to be actively engaged in promoting an educational program designed to enlighten the general and consuming public regarding the properties and uses of asbestos textiles. The circulation of the recent Institute publication, "A Handbook of Asbestos Textiles", serves to provide an effective information piece. In addition, the Asbestos Textile Institute Visual Aid Displays, seven of which have been on exhibition since 1950, continue to be shown at various schools and institutions and serve to very effectively promote an interest in and knowledge of asbestos textiles. In addition to these educational services, this committee works in close cooperation with the Technical Committee in the development of consumers uses, standards and specifications for asbestos textiles. Many federal and public consumers of asbestos textiles call upon this group for assistance in the development of specifications for materials which may be sought by industry.

The Technical Committee, under the Chairmanship of J. D. McCluer, Southern Asbestos Company, devotes its attention to the many technical problems which confront the industry. One of the problems which has engaged the interest of this group is related to the fibre supply and fibre quality and the integration of the materials

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GERMANY .....ERNST WERNER, Import von Rohasbest, Katharinenstrasse 30, "Edmundhaus," HAMBURG 11,

available with the desired end products to be produced therefrom is of continual concern to this group of authoritative representatives. The development of new and improved testing techniques whereby asbestos textiles may be more effectively and properly evaluated are ever under consideration by this committee.

The Asbestos Textile Institute Research Laboratory, which had been located at Rutgers University since 1946, was, on October 1, 1954, removed to the Philadelphia Textile Institute. Dr. M. C. Shaw, Director of Research, who has been in charge of this work since its inception, continues at the new location, and, with the increased facilities available, it is hoped it will be possible to carry on an increased program of research for the asbestos textile industry.

The interests and activities of the Asbestos Textile Institute are continually expanding and it is felt that through the increased endeavors embodied in the technical, sales and hygiene programs, the best interests of the entire asbestos textile industry may be advanced.

By Dr. Myril C. Shaw, Secretary

2. Asbestos-Cement Products Association

The launching of a major promotional program aimed at obtaining greater architectural recognition for the use of asbestos-cement siding shingles on better class homes was one of the highlights of a full schedule of activities carried on in 1954 by the Asbestos-Cement Products Association.

As a basis for the program, the Association commissioned six of the nation's foremost architects to design houses illustrating their individual concepts of how asbestos siding can add interest and charm. The designs, executed in full color renderings, are being used this year in a series of six full page advertisements in House and Home and other publications. They also are receiving wide publicity on television programs and drawing additional attention through newspaper and magazine articles.

All of the designs have been included in a handsome brochure, "Advanced Designing with Asbestos Siding",

ASBESTOS "Shorts" and "Floats"

prevent checking and cracking

These shorter length Johns-Manville asbestos fibers have proved to be vital ingredients of auto underbody coatings. They provide proper body . . . prevent checking and cracking . . . help the coating resist the impact of flying stones. And they contribute to fire safety because asbestos cannot burn or support combustion.

In other products such as adhesives, asphalt tile, texture paints, friction materials, plastics . . . asbestos "shorts" and "floats" serve as fillers, extenders, conditioners, reinforcers, and heat-resisting agents.

If you would like further information about the various uses, properties and classifications of these versatile forms of asbestos, write to address below for Brochure AFD-4A.

JM

Asbestos Fibre Division

Canadian Johns-Manville Limited

970 Sun Life Bldg. (Telephone: UN-6-9701) Montreal, P. Q., Canada

which is being distributed to architects and builders as a contribution to the cause of good housing. Copies may be obtained by writing to the Association's office, 509 Madison Avenue, New York 22, New York.

Asbestos-Cement products sales in 1954 for the most part were approximately equal to the average of recent years. With continued expansion of construction predicted this year, sales for 1955 of all products — siding, roofing, flat board and corrugated sheets — are expected to increase. Impetus to that trend has been given by the introduction of new lines featuring advanced styling in colors and design. Also contributing will be greater emphasis in Association promotion and company advertising on the use of asbestos siding and other products in new work.

The industry continued research on new product development in 1954. New sizes of siding shingles were introduced, progress was made on the use of larger siding sheets with integrated color patterns and emphasis was given to application techniques to produce heavier shadow lines. Improved colors and textures were brought out by many makers.

An important event last year was the development of a new roofing shingle design and application methods to permit its use on roofs of lower than ordinary pitch.

A major accomplishment was the completion of industry approved application specifications for the information of applicators.

At the annual meeting Ernest Muehleck of Keasbey & Mattison Company was reelected president. Also returned to office were E. J. O'Leary of the Ruberoid Co., vice-president; R. J. Tobin of Tilo Roofing Company, treasurer, and Chester C. Kelsey, Association manager, secretary.

Chairmen of the various committees are: corrugated, T. M. Dantz; maunfacturing, E. J. Buczkowski; planning, J. W. Brown publicity, J. M. Hoare; sales engineering, A. H. Fay; roofing shingles, A. L. Fowler; technical, S. Collier; traffic, H. R. Candy.

By Chester C. Kelsey, Manager

Carey
ASBESTOS

Since 1873 Carey has been manufacturing products of which asbestos is an integral part.
And Carey research is constantly working to make those products work better and to develop new products which will utilize the outstanding qualities of asbestos.

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Asbestos Packing • Asbestos Roofing Felts
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Asbestos Prefabricated Ducts
Asbestos Shingles and Siding
Asbestos Wallboard

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3. Thermal Insulation Society

At the January 25th meeting of the Charleston (W. Va.) Chapter, pioneer unit of The Thermal Insulation Society, plans were formulated further for activation of the Society as a national organization.

After J. W. Harris, chairman of the chapter's Nationalization Committee, announced that March 1st has been set as the date on which representatives of the Charleston, Philadelphia and Houston chapters wil get together at Savannah, Ga., to activate the society as a national organization, Chapter President W. C. Curtis announced that the Charleston delegation will be composed of:

W. C. Turner, staff engineer for insulation, Carbide and Carbon Chemicals Co., who was one of the original incorporators of The Thermal Insulation Society; R.N. Shepard, retired chief engineer of Carbide and Carbon who now is a consulting engineer for the parent Union Carbide and Carbon Corp.; E. C. Shuman, director of research for the Kaylo Division of Owens-Illinois; Harry Rapp, technical director of the Insul-Mastic Corp. of America; W. R. Lickert, general manager of Asbestos and Insulating Co., Charleston; and Conrad Weigers, Sr., president and general manager of Allied Services, Inc., Charleston.

Turner, Shuman, Rapp and Lickert are members of ASTM Committee C-16, which committee will be meeting in Savannah on March 2, 3 and 4.

Shepard and Turner represent the interests of insulation users; Shuman and Rapp represent insulation manufacturer interests; and Lickert and Weigers represent distributor-contract applicator interests.

Named as alternate delegates to the Savannah meeting were: John M. Bowes of DuPont Belle Works; J. M. Venable of Vimasco Corp; and J. W. Harris of Asbestos and Insulating Co. Harris will attend the Savannah meeting as temporary secretary of The Thermal Insulation Society.

President Curtis announced at the January meeting that he is being transferred from the Nitro plant of Monsanto Chemical Co. to the St. Louis general engineering

Gold Bond

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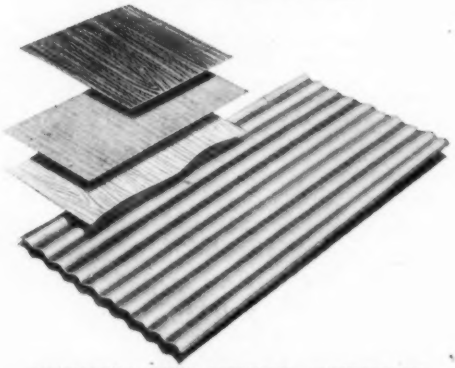

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ROOFING SHINGLES

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PLIABOARD
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AND SIDING

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department of the company and assigned to the new construtions project of the Mobay Co. at New Martinsville, W. Va. He said it will be necessary for him to vacate the position of president of the chapter and announced that H. O. Spangler of DuPont Belle Works would move up as vice-president to the presidency for the balance of the chapter year. The chapter membership accorded Curtis a rising vote of appreciation for his faithfulness and leadership.

The technical program for the January meeting was presented by E. C. Shuman, director of research and development of the Kaylo Division of Owens-Illinois. His subject for the illustrated talk was: "Some Application Proeedures and Uses of Calcium Silicate Insulation."

The January meeting was the fourth for the Chapter since the summer recess, Secretary Bob Estep of Carbide and Carbon Chemicals Co. reported.

At the September 1954 meeting, W. D. Myers, national sales manager for the Industrial Insulation Department of the Eagle-Picher Co., spoke on the subject: "Insulating and Fireproofing With Cements."

J. D. Verschoor, physicist at the Johns-Manville Research Center, Manville, N. J., presented the technical program at the October meeting. His subject was: "Mechanisms of Heat Transfer in Insulation."

The November meeting was a "Problems Night" session under the leadership of W. R. Lickert, chairman of the Special Problems Committee.

Because of the Christmas holidays and the otherwise crowded technical events calendar in the Charleston area in December, no meeting was held that month.

John C. McClarin of Carbide & Carbon Chemicals Co., who is chairman of the chapter's Program Committee, announced that the February 1955 meeting of the Charleston Chapter will be a joint session with the Kanawha Coatings Society in a Downtown Charleston hotel.

By R. E. Estep, Secretary

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EFFECT OF SOILS ON ASBESTOS CEMENT PIPE

Detailed information regarding the effect of soil exposure on the properties of asbestos-cement pipe has resulted from field studies recently completed by M. Romanoff and I. A. Denison of the National Bureau of Standards. Representative specimens were exposed to a wide variety of soil types for periods up to 13 years and, upon removal, the physical and mechanical properties of the pipe specimens were carefully investigated. The data thus obtained provide an over-all picture of the rate and extent of alteration of this type of pipe in the soils studied.

Asbestos-cement pipe is widely used in underground water pipelines. It is also used to considerable extent in sewage disposal, in oil feilds to remove salt water, and in various industrial applications. However, little specific information has been available regarding its behavior in soils. The Bureau's investigation of this material was part of a long-range program to determine the effects of various soils on materials for underground construction.

Asbestos-cement pipe is a mixture of approximately 80 percent by weight of portland cement and 20 percent asbestos fibres. It is built up continuously on a revolving steel mandrel and compacted under heavy pressure, then subjected to a curing operation. Practically all the asbestos-cement pipe used in the United States is produced in this way.

The exposure studies included two varieties of asbestos-cement pipe specimens, one 4 inches, the other 6 inches in diameter, designed to withstand a pressure of 150 lb/sq. in. (class 150 pipe). Both sizes of pipe were fabricated in essentially the same manner from a thin slurry of portland cement and asbestos fibres, but there were minor differences in the technique used to transfer the slurry to the mandrel upon which the pipe was formed. After removal from the mandrel, the 6-inch pipe was cured by a high-pressure steam process while the 4-inch pipe was cured by submersion in water two to three weeks.

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Six-inch specimens were removed from the 15 exposure sites after periods of 2, 4, 9, 11 and 13 years. Four-inch specimens were taken up at the end of 2, 7, 9, 11 and 13 years. After removal the specimens were returned to the laboratory for determination of the effects of exposure to the soils as indicated by measurements of hydrostatic bursting strength crushing strength, water absorption apparent specific gravity, and condition of the surface of the specimens. Representative specimens of unexposed pipe of both types were also subjected to the same tests to supply reference data in determining the effects of the various soils and periods of exposure on the pipe materials.

Saturation with water reduces the strength of asbestos-cement pipe from 10 to 20 percent. Thus, in order to simulate service conditions with respect to moisture, the 6-inch specimens were immersed in water for 48 hours before subjecting them to bursting and crushing tests. The 4-inch specimens were tested in the air-dry condition and then adjusted to the water-saturated condition by reducing the values for tensile strength and modulus of rupture by 15 percent.

Surface condition of the specimens was determined semiquantitatively by scratching the external surface and, more objectively, by grinding under carefully controlled conditions until the measured hardness was equal to that of the unexposed reference pipe. The thickness of the removed layer was then taken as a measure of the softening of the surface.

In general, the data show an increase in strength during the early periods of exposure followed by a decrease in strength during the latter periods. The increased strength, which is generally accompanied by a decrease in water absorption, is associated with a curing process that continues for several years during exposure to the soil. After the completion of the curing process, the specimens were subject to weathering, as manifested by loss in strength, decrease in apparent specific gravity, increased absorption of water, and superficial softening.

The averages of the strength and water-absorption measurements indicated that the curing period was two to

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DETROIT:	GERALD J. FAHEY 6432 Cass Avenue Detroit 2, Michigan
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TORONTO 1, ONT.:	CANADIAN ASBESTOS ONTARIO LTD., 27 Front St., East

four years in the 6-inch pipe, as compared with approximately seven years in the 4-inch pipe. This longer curing period may be due not only to different initial curing processes but to differences in dimensions, composition, and method of fabrication. Weathering also proceeded more rapidly in the larger than in the smaller pipe.

The rate and extent of alteration of the specimens were affected considerably by the nature of the soil conditions to which they were exposed. For example, weathering was accelerated by both organic and inorganic acidity. Cement products are altered by the process of hydrolysis, and the rate of hydrolysis is increased by hydrogen ions, which are present in soils as carbonic acids. Since the decomposition of organic matter provides a large amount of carbonic acid to the ground water and so increases its activity, relatively greater losses in strength of portland cement would be expected in soils high in organic matter.

The average tensile strength of the 6-inch pipe after 13 years exposure was of the same order of magnitude as that of the unexposed pipe, and that of the 4-inch pipe was still higher. Even under the most adverse conditions to which the specimens were exposed, the bursting and crushing strengths of all the samples after exposure were higher than the requirements of the Federal Specifications for asbestos-cement pipe.

(From Summary Technical Report 1898, National Bureau of Standards)

"Seven Steps To Safety" is a new half hour color film presenting the story of brake lining dramatically.

Westbrook Van Voorhis, of MARCH OF TIME fame, is narrator and one of the principle actors. Raybestos Division of Raybestos-Manhattan, Inc., Bridgeport, Conn., produced the picture with Bay State Film Productions, Inc.

The film is available through local Raybestos representatives for automotive jobber, dealer and school or club meetings.

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ASPHALT AND ASBESTOS BUILDING MATERIALS

SQUEAL TEST

When brakes go wrong, they often squeal on themselves. Of course not all brake noises mean trouble. But can you tell the squeal that simply means a minor adjustment is due, from the squeal that may be the last sound you'll hear before you crash?

Expert ears at Raybestos Division, Raybestos-Manhattan, Inc., Bridgeport, Conn., world's largest manufacturers of brake lining, have catalogued five separate and distinct routine brake warning noises, as follows:

Pinch-out squeal — sounds like a pig picked up by the tail. Occurs at end of stop. No immediate danger, but have it eliminated soon.

Eeeek squeals — sounds like bathing beauties stepping into a cold ocean. High-pitched and intermittent. Warning — poor contact. Better check, pronto.

Ground glass squeal — sounds like a horse dining on light bulbs. Often mistaken for a grinding bearing. Minor adjustment will get rid of it, if the brake lining is of good quality.

Wire brush squeal — sounds like a wire brush pulled over glass. Occurs half-way through a stop. Improperly adjusted brakes, a poor contact. Can be a highly dangerous signal.

Groan — sounds like a ghost welcoming a new friend in a haunted house. Loud, hollow, gruesome. Caused by loose or worn out brake parts.

If your brakes scream the minute you press the pedal and continue to scream — then you've got real trouble. That's probably the rivets hitting the brake drum — the end of the line!

Whether you can distinguish or not between them, if your brakes make any kind of noise at all, say the owners of the trained ears, better have an expert take a look at them.

DRYLON
WET MACHINE FELTS

Wool and Nylon Blend Fleece

Carefully Engineered

To Meet

Your Individual

Problems

In

ASBESTOS CEMENT PRODUCTS

ASBESTOS MILLBOARD

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* *Our Patented Construction Places the Nylon Where It is Most Effective*

DRYCOR FELT COMPANY

STAFFORDVILLE, CONN. USA.

* *Nylon Has Proved Itself Essential in Asbestos Cement Felts*

CLOSING THE DOOR AGAINST FIRE

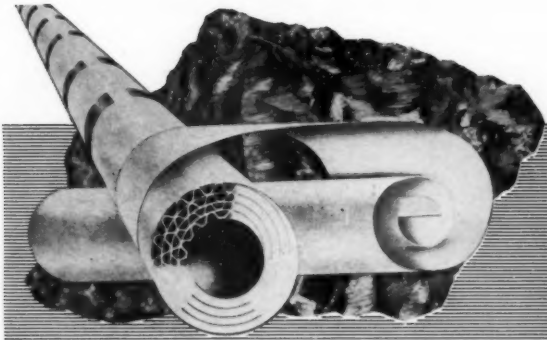
It's safe to say that nobody sleeps at the switch in Johns-Manville. Members of management are always alert to explore new avenues of business, and to take full advantage of production capacity at J-M plants.

As an example, the Industrial Products Division is selling a new product adapted to manufacturing facilities of the Billerica, Mass., Plant. It is J-M Asbestocore now being used as a non-combustible core in a new line of lightweight fire doors made by Roddis Plywood Corporation. Asbestocore is similar to Marinite 23 which was developed several years as a very lightweight panel for use aboard passenger ships.

The subsequent development of Asbestocore was a team-work job. A. V. Pretot of the Special Industries Department worked closely with the Milwaukee Industrial Products District, the Research Center and the Production Department to obtain customer interest in the development of a fire door using J-M materials. The new usage of Marinite is similar to its previous application in doors for marine use meeting U. S. Coast Guard requirements for fire safety.

Through the efforts of S. Collier, Director of Quality Control, Underwriters Fire Hazard Classification was obtained on Asbestocore. This first step was taken to make the core material acceptable to door manufacturers for further Underwriters approval on their own complete door assemblies.

A wood-faced door with Asbestocore was provided by the prospective customer, Roddis, and given a fire test at Research. This priliminary fire test was a service to the customer to determine whether their construction would be satisfactory for the cinal U.L. test. The customer's enthusiasm for Abestocore did much to promote the success of their new line of fire doors.



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HEAT & COLD INSULATIONS

NORRISTOWN
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K & M INTRODUCES THE "DUALAY" SHINGLE

A new asbestos roofing shingle called the "DUALAY" has been recently announced by the Keasbey & Mattison Company. It can be laid to give either a straight or thatched butt.

This dual choice in the positioning of the shingle is a real advantage to the dealer in that it provides a choice of two designs from one stock.

The "DUALAY" Shingle is offered in six new, stunning colors, resulting from a combination of mineral pigments and ceramic granules, said to be highly resistant to the elements. Peacock Blue, Antique Red, Green Pastel, Red Pastel, Lindenwood and Rustic Brown.

The size of the shingle is 12" x 24" and favors lower application costs. It is applied with both head lap and side lap and secured in place with nails and storm anchor which gives considerable resistance to storm and wind. In addition it possesses all the advantages of the asbestos-cement shingle. It cannot burn, rot and never needs paint for protection.

CORRECTION

On page 6 of our December 1954 number we mentioned "Caposite" pre-formed insulation as a new product. This statement was in error as "Caposite" has been manufactured by Cape Asbestos Company Limited, London, since the early 1920's. It is made of 100% pure Amosite asbestos, the fibres being obtained from Cape's own mines in South Africa. "Caposite' pre-formed insulations are sold throughout the world, and manufactured in many countries. In America, this material is available as "Unibestos"; in Italy, it is manufactured as "Capisolite"; in France, it is "Isolamiante"; and it is also made in Holland, Spain, South Africa and Australia. Amosite asbestos, by reason of its great volume after proper treatment, and the length and strength of the fibres is reognized as the ideal fibre for all insulation purposes.

CANADIAN ASBESTOS

THE NICOLET ASBESTOS MINE
Norbestos (via Warwick)
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NICOLET INDUSTRIES, INC.

ASBESTOS FIBRE DIVISION

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BUILDING

An unprecedented burst of strength in construction activity in the weeks ahead became virtually certain yesterday when F. W. Dodge Corporation, construction news and marketing specialists, publicly stated its December totals of Dodge Reports of contract awards for future construction in the 37 states east of the Rockies.

A tremendously high December total brought 1954 awards to a record-breaking high of $19,770,207,000, up 13 percent from the previous record set in 1953.

December awards ran 41 percent ahead of December 1953. The total of $1,828,837,000 was not only far higher than any previous December in Dodge's 64-year history, but was one of the highest monthly totals ever recorded in spite of the fact that winter is traditionally a slack period for contract awards.

"The high December total will be hailed as the first solid assurance to confirm the optimistic views that have been expressed as to business in 1955," commented Thomas S. Holden, Dodge vice chairman. "It gives the American business community much the same kind of lift that came when we discovered that our totals for January 1954 seemed to forecast a big year.

"The big news is the December total. The fact that the year showed a sizeable gain over 1953 was known a month ago when we found that the all-time high record for any year had already been set by the 11-month figure."

For the year 1954 the totals were: non-residential, $7,110,348,000, up 2 percent over 1953; residential, $8,518,291,000, up 31 percent; public works and utilities, $4,141,568,000, up 3 percent. The grand total was up 13 percent.

The grand total of Dodge Reports showed a gain each month except April, over the total for the same month of 1953. In April it was down only three percent. December's gain of 41 percent over December 1953 was by far the biggest of any month except June which showed a 43 percent increase.

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We have facilities for evaluating bulk samples of asbestos ore including processing with latest air swept mill equipment.

Your inquiries for additional information are welcomed

MARKET CONDITIONS

ASBESTOS — RAW MATERIAL.

Generally the asbestos industry is looking for a fibre demand in 1955, at least equal and probably a little better than in 1954.

In line with seasonal custom the actual shipments in January will probably be one of the few low months of the year. This usually occurs due to the curtailment of export shipments due to higher freight rates while the harbor is closed.

It is also a relatively poor month for domestic shipments due to the winter slow down on a number of major fibre uses, principally in the building materials line.

ASBESTOS — MANUFACTURED GOODS.

Asbestos Textiles. An improved demand continues even though a high demand for asbestos textiles of all kinds does not exist. An improvement over 1954 is expected.

Asbestos Brake Lining. Business is good in both replacement and equipment sales, and inventories are at a healthy level. 1955 should be a record year in sales to both markets.

Asbestos Paper. There is little change in the market situation; excess of supply over demand keeping competition keen. The size of orders is smaller although they are about the same in number as compared with the same period last year. There has been a noticeable drop in *millboard* orders and high competition for available business. At the present time the demand for *saturated paper* is less than production which is generally characteristic during the winter months.

Insulation, High Pressure. The present demand is at a very low ebb. Some work is being figured by contractors but the market is not brisk and very few releases for material required immediately are being received. Vol-

ume is expected to increase during the coming months based upon the number of projects on the boards of engineering concerns and industrials.

Insulation. Low Pressure. The market is holding firm at about the same level as previous month, which is probably due to inventory adjustments as well as a decrease in construction due to weather conditions.

Asbestos Cement Products. This market is seasonally slow; order placements for roofing and siding about the same in comparison with the same period last year.

At the presnt time the demand for corrugated and flat is less than production, which is generally true during the winter months.

The future outlook for Pressure and Sewer pipe sales appears strong although there is seasonal drop in some sections. There appears little slack in the sales of House Pipes and Conduits.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

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Importers of South African Asbestos

Representing

JOHN HOLT & COMPANY (PTY) LTD.

JOHANNESBURG **CAPETOWN**

WILHELM BURGDORF

Importer of Raw Asbestos

P. O. Box 1131, BREMEN, GERMANY

AUTOMOBILE SALES

	December 1954
Passenger Cars	669,778
Motor Trucks	95,812
Motor Coaches	422
	766,012

In December 1953, a total of 484,707 motor vehicles were sold. Sales for the year 1954 amounted to 6,600,824.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

PHILLIPS ASBESTOS MINES

Producers of

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•

For complete information about Blue Asbestos, contact the following Cape Asbestos Co. subsidiaries:

in the United States
NORTH AMERICAN ASBESTOS CORPORATION
Board of Trade Building, Chicago 4, Illinois

In Canada
CAPE ASBESTOS (Canada) Ltd.
200 Bloor Street East, Toronto, Ontario

CANADA

In the preliminary estimate published by the Dominion Bureau of Statistics, Ottawa, the production of asbestos during 1954 is given as 966,883 tons, valued at $93,079,931, compared with a production in 1953 of 911,226 tons, valued at $86,052,895.

The value of other non-metallic minerals was $136.6 millions. The greater portion of this was derived from the sales of 966,900 tons of asbestos valued at $93 millions, a new high in tonnage and value.

CANADA

(Department of Mines, Province of Quebec)

Tons 2000 lbs.

Production for November 1954	84,370 tons
Compared with November 1953	82,397 tons

Dominion production for November 1954, was 87,443 tons, a difference of 3,073 tons, from the Quebec figure.

Australian Statistics

(Published by Bureau of Mineral Resources, Geology and Geophysics, Mintstry of National Developments)

	Quarter ending June 1954
Production	
Crocidolite	926 tons
Chrysotile	233 tons
	1,159 tons
Imports	
Amosite	1,710 tons
Chrysotile	6,045 tons
Crocidolite	....
Other	4 tons
	7,759 tons
Exports	
Crude and fibre	477 tons

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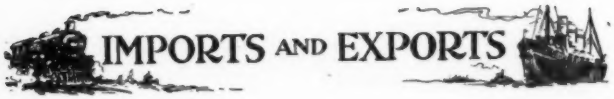

Imports into U.S.A.

(Figures by Bureau of Census)

Unmanufactured Asbestos—By Countries:

	September 1954 Tons (2240 lbs.)
From Canada	51,687
Union of S. Africa	700
Rhodesia	524
Other Countries	42
	52,953
Valued at	$4,588,503

By Grades:

Crude No. 2, Chrysotile, Canada	14
Crude No. 2, Chrysotile, Other Countries	10
Crude, Other, Chrysotile, U. of S. Africa	49
Crude, Other, Chrysotile, Rhodesia	470
Crude, Other, Chrysotile, Other Countries	1
Crude, Blue, U. of S. Africa	254
Crude, Amosite, U. of S. Africa	397
Textile Fibres, Chrysotile, Canada	1,288
Textile Fibres, Chrysotile, Other Countries	9
Shingle Fibres, Chrysotile, Canada	5,998
Paper Fibres, Chrysotile, Canada	4,437
Other Fibres, Chrysotile, Canada	39,950
Other Fibres, Chrysotile, Rhodesia	54
Other Fibres, Chrysotile, Other Countries	22
	52,953

Manufactured Asbestos Goods:

	September 1955 Quantity (lbs)	Value
Asbestos Yarn, United Kingdom	33,626	$ 32,552
Asbestos Packing & Lining, Canada	10,709	11,728
Other Countries	2,262	1,434
Asbestos Shingles (Not Impreg.) Canada	1,720,063	100,897
Other Countries	6,950	794
Asbestos Shingles (Impreg.)	10,280	1,461
Asbestos Manufactures—Others	....	4,380
	1,783,890	$153,246

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- **AUTOMATIC—can be furnished with or without tucking device.**
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Flintkote Mines, Ltd.

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Imports of Asbestos by United Kingdom

Raw Material

	Dec. 1954 Tons	Year 1954 Tons
From Union of South Africa	1,089	18,050
Southern Rhodesia	3,294	39,094
Basutoland, Bechuana-land & Swaziland	1,237	10,364
Canada	5,334	53,586
Other Commonwealth countries and the Irish Republic	....	2,869
Foreign Countries	36	498
	10,990	124,461

These figures were supplied by the Mining Journal Limited of London.

Raw Materials

	November 1954 Tons (2240 lbs.)
From: Union of South Africa	1,384
Southern Rhodesia	3,938
Basutoland, Bechuanaland & Swaziland	702
Canada	7,495
Other Commonwealth countries and the Irish Republic	441
Foreign Countries	39
	13,999

These figures were supplied by the Mining Journal Limited of London.

FOR SALE

1500 TONS of ASBESTOS

Mined in Union of South Africa; classified as Types 213, 225, 271. Stored in New Jersey. Offered in whole or in part.

WRITE—WIRE—PHONE

INDUSTRIAL PLANTS CORP.

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Following word that trial runs of the Nautilus, the world's first atomic submarine, began on January 17th, Union Asbestos & Rubber Company disclosed that pipe covering for the underwater craft's power plant was made in its Bloomington, Illinois, factory.

Unibestos was specified for all pipes used in connection with the experimental submarine's reactor and turbine power plant.

A new motion picture, "White Pipe," has just been released by Johns-Manville Corporation. It presents the four types of TRANSITE Pipe for the home—building sewer pipe, plumbing vent pipe, warm air duct and gas vent.

The picture, on 16 mm film, is in full color and sound. Running time is approximately thirty-five minutes.

This new film, "White Pipe," is now available through any of the 14 Johns.Manville sales offices located throughout the United States.

INDUSTRIAL SERVICE COMPANY

Builders of

ASBESTOS CEMENT MACHINERY

Our experienced engineers and machinists offer the industry entire machines built to deliver maximum production.

Your Inquiries Are Invited

1-51 Paterson Avenue **E. Rutherford, N. J.**

Exports From Canada

(Published by Dominion Bureau of Statistics)

Unmanufactured Asbestos:

	November 1954 Tons 2000 lbs.)	Value
Crude		
United States	27	$ 22,496
United Kingdom	20	31,030
South America	....	....
Central America & Mexico	....	....
European Countries	39	44,518
Other Countries	....	....
	86	$ 98,044
Milled		
United States	11,242	$1,833,377
United Kingdom	3,413	648,641
South America	2,606	473,914
Central America & Mexico	110	17,200
European Countries	4,663	1,009,054
Other Countries	3,079	512,672
	25,113	$4,494,857
Shorts		
United States	41,779	$2,047,869
United Kingdom	3,766	152,644
South America	523	37,632
Central America & Mexico	....	....
European Countries	4,549	283,344
Other Countries	434	32,986
	51,051	$2,554,475
Grand Total—Unmanufactured Asbestos	76,250	$7,147,376
Manufactured Asbestos Goods:		
Brake Lining		$ 41,040
Packing		1,455
Other Materials		141,547
		$ 184,042

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Exporters of all types and grades of

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ASBESTOS AND ALUMINUM COMBINED FOR INSULATION

To meet certain unusually rigid fire regulations, combination asbestos and aluminum insulation blankets are now being manufactured by Infra Insulation, Inc. for 16'' and 24'' joist centers. In this way, it is declared, the resistance of asbestos to fire and chemical action is combined with the resistance of multiple accordion aluminum to heat and vapor flow with this latest addition to the line of Infra Insulations.

The new product, known as Infra Insulation Type 6AP and Type 4AP, is made with inorganic, inert asbestos instead of Infra's standard fire, mold and insect-resistant fibre, and is said to be the first insulation of its kind.

ASBESTOS TEXTILES

US RUBBER

are manufactured in our own modern plant at Stark Mills, Hogansville, Ga. Spinning and weaving operations are closely controlled for maximum uniformity in asbestos yarns, fabrics and tapes. Specialties developed to meet customers' requirements.

Write: Asbeston® Dept., Textile Division

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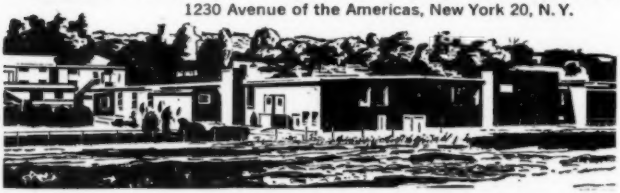

NEWS OF THE INDUSTRY

HAPPY BIRTHDAY

C. J. Sherer, Vice President & Treasurer, Russell Mfg. Co., Middletown, Conn., February 18.

I. J. Harvey, Jr., President & Director, The Flintkote Co., New York City, February 20.

Clarence E. Witherspoon, President, Asbestos Construction Co., Inc., New York City, February 20.

G. W. Marshall, Jr., Vice President, Raybestos-Manhattan, Inc., Manheim, Pa., February 21.

George W. Smith, President, Bell Asbestos Mines Limited, Thetford Mines, Canada, February 22.

Robert E. Cryor, President, North American Asbestos Co., Chicago, Ill., February 23.

J. Albert Taylor, Vice President & Secretary, Wallace & Gale Co., Baltimore, Md., February 24.

A. S. Johnson, President, Johnson's Co., Ltd., Thetford Mines, Canada, February 28.

Leonard Krez, President & Treasurer, Paul J. Krez Co., Chicago, Ill., February 28.

A. S. P. Sangster, General Works Manager, Wunderlich Limited, Sydney, Australia, March 2.

John H. Matthews, Vice President, Raybestos-Manhattan, Inc., Passaic, N. J., March 3.

Carl Bindman, Sales Manager, Johnson's Company, Thetford Mines, Canada, March 7.

M. E. Curtis, President & Treasurer, Curtis Asbestos Co., Boston, Mass., March 7.

T. J. Callans, Vice President & Treasurer, Southern Insulation Corp., Memphis, Tenn., March 8.

P. M. Taft, President, Taft-Jenkins Company, Holyoke, Mass., March 9.

Thomas J. Casey, Treasurer, Asbestos Corporation of America, New York City, March 10.

W. L. Markert, President, Brooks-Fisher Insulating Company, Atlanta, Ga., March 10.

M. R. Carr, President, H. W. Porter & Co., Inc., Newark, N. J., March 11.

A. Lines, Superintendent, Durabestos Works, Wunderlich Limited, Parramatta, Australia, March 11.

James E. Wallace, Vice President, John W. Wallace & Co., Hoboken, N. J., March 11.

Theodore D. Wallace, Secretary & Treasurer, John W. Wallace & Co., Hoboken, N. J., March 11.

To all these gentlemen we extend best wishes and congratulations on the occasion of their birthdays.

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BIRD & SON, INC.

Bird & Son, Inc., of East Walpole, Mass., started operations, on January 28th, in a new $2,500,000 roofing plant and granule plant at Charleston, South Carolina.

The operations are located on about 60 acres of land at Stark Industrial Park on the Ashley River, where ample space has been provided for future expansion.

The longest roofing machine in the world has been installed in the main building. Modern in all respects it is 550 feet long and was designed especially for Bird & Son by their own engineers. This was desirable because of Bird's long experience in in the roofing field and because of the intricate nature of the machinery and the company's desire to incorporate all the mechanical features developed for present Bird Roofing machines. It will be used in the manufacture of famous Bird 15" Architect shingles, thick-butted, heavier shingles that provide 50 percent longer life in any climate and a full line of other shingles and roofing products.

Bird & Son is one of America's oldest industries established in 1795. It was one of the first companies to experiment in asphalt roofing manufacture and has been making quality building materials since the 1880's. The company's founder was George Bird of Union, Maine. He built his first paper mill in Needham, Massachusetts, and in 1812 moved a short distance to East Walpole, Massachusetts.

The Charleston operation is the newest plant in the Building Materials Division of the company. It takes its place beside roofing mills at Norwood, Mass., Chicago, Ill., and Shreveport, La. Felt mills are located at Phillipsdale, R. I., and Shreveport, while insulating sidings are manufactured at Norwood and Chicago. The granule plant at Charleston joins those at Norwood and Glenwood, Arkansas, to make Bird & Son the only roofing manufacturer in the land operating three granule plants.

Recognizing the tremendous growth now taking place all over the South, and recognizing too the need for better service than is now available in the area, Bird has established the plant at Charleston as a complete unit. It has its own Sales and Accounting Departments to receive and process orders efficiently. Next-day service will be available to most sections.

Southeastern Division Manager is J. H. Van Hoy, a man with many years experience in the South. A team of experienced and specially trained salesmen, operating under B. L. Sears, Southeastern Sales Manager, will cover territories in Flordia, Georgia, South Carolina, North Carolina, Virginia, southern West Virginia, and eastern Tennessee and southeastern Kentucky.

NOW, AS ALWAYS—

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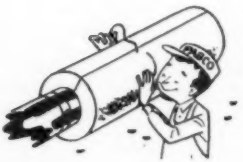
PRECISION MOLDED
85% MAGNESIA HEAT INSULATION

... the Dependable Standard-Modernized

UNIFORM PRECISION

Dependable precision in heat insulation, to meet modern engineering demands! Pabco "Precision Molded" 85% Magnesia combines time-tested superiority with precision molding — close tolerances, controlled sizes, light weight, uniform texture!



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Thus, Pabco is faster to apply! Easier to lift, quicker to cut and score, simpler to embed tie wires! You get Precision fit—pipe sizes and blocks *molded* to exact size!

PABCO PRODUCTS INC.
INSULATION DIVISION
San Francisco 19 New York 16
Manufacturers of Heat Insulation since 1920

JOHNS-MANVILLE

Annual Report

Johns-Manville's sales of $253,151,584 in 1954 exceeded the all-time high record of $252,642,136 set in 1953, according to the 96th anniversary report mailed on January 31, 1955.

Consolidated net earnings of Johns-Manville Corporation in 1954 were $16,655,658 or $5.24 per share of stock, compared with $19,661,412 or $6.20 per share in 1953. The 1954 earnings were equivalent to 6.6 cents in the sales dollar.

Dividends of $4.25 per share were paid on the common stock in 1954, the same amount as in the preceding three years. Dividends paid in 1954 amounted to $13,506,563. There were 3,181,530 shares of common stock outstanding at the end of 1954, compared with 3,172,084 at the end of 1953.

The payroll in 1954 was $96,691,755 compared with $95,765,003 in 1953. Wage increases in United States and Canadian plants and mines during 1954 averaged 4.7 cents per hour or 2.9 percent. Employment at the end of 1954 was 20,000 the same number as at the end of 1953.

The first section of a new mill at the Jeffrey asbestos mine at Asbestos, Quebec, was completed and put into operation. The mill is expected to be completed in 1956. Expansion of underground mining at this mine was continued. Development of underground mining was started at the Munro asbestos mine in Northern Ontario. Eventually this will replace open-pit mining.

The total production of asbestos fibre from the Canadian mines in 1954 was 500,249 tons.

Other projects during the year included continuation of expansion of TRANSITE pipe facilities at the several plants where this product is made; completion at Watson, California, of equipment for the manufacture of new types of industrial insulations already in production at Manville, New Jersey; completion of a new warehouse and office building at Toronto, Ontario; partial completion of facilities for expanded production of friction materials at Waukegan, Illinois; the start of a new plant at Lompoc, California for the manufacture of synthetic silicates; and the start of a new building at the Toronto plant for the manufacture of Flexboard.

CYPRUS

(From Inspector of Mines)

4th Quarter ending December 31, 1954

Tons—2000 lbs.

	October	November	December
Rock Mined	169,497	25,332	2,752
Rock Treated	51,372	5,284	200
Fibre Produced	2,298	1,643	128
Fibre Exported	1,031	2,975	1,230

Antony Gibbs & Co., Inc.

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ASBESTOS FIBRES

Offered by

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RHODESIAN CHRYSOTILE

Vanguard Asbestos Mines
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Associated Asbestos Mines
Norma Asbestos Mines

UNION CHRYSOTILE

Scottro Asbestos Mines

CAPE BLUE

Kuruman Cape Blue Asbestos

TRANSVAAL BLUE

Baboon Asbestos Co.
Springbok Asbestos Co.

RAYBESTOS-MANHATTAN, INC.

Changes In Personnel

J. F. D. Rohrbach, President of Raybestos-Manhattan, Inc., announces the following elective appointments made at the Board of Directors Meeting held January 19, 1955.

S. R. Zimmerman, Jr., Vice President. He presently is a Director and General Manager of the U. S. Asbestos—Grey-Rock Division at Manheim, Pa. Mr. Zimmerman joined that Division in 1932 as Industrial Engineer.

R. J. Gorecki, Director. He is now Factory Manager of the Manhattan Rubber Division at Passaic, N. J. Mr. Gorecki started with the Manhattan Division in 1926 in the Engineering Department.

H. H. Burrows, Vice President—Rubber Sales. He was Sales Manager of the Industrial Rubber Products Division at Passaic, N. J. Mr. Burrows joined the Manhattan Division in 1915, and later became Manager of the Roll and Tank Department.

In addition to the above, R. B. Hazard has been appointed Sales Manager—Rubber and Packing. Mr. Hazard was formerly Sales Manager of the Corporation's Packing Division.

DOMINION BRAKE SHOE COMPANY

The Board of Directors of Dominion Brake Shoe Company, a subsidiary of American Brake Shoe Company, have announced the elections of *Kempton Dunn* as chairman, *Maynard B. Terry* as director, *Alfred H. Munkenbeck, Jr.* as secretary and *Victor L. Persbacker* as comptroller.

Mr. Dunn, president of American Brake Shoe Company, and Maynard B. Terry, vice-president of the Dominion Company, and president of the Brakeblock Division of American Brake Shoe, will fill the vacancies created by the death of former Chairman, Thomas E. Akers. Mr. Munkenbeck succeeds Cyrus E. Brish, who was recently appointed vice-president of American Brake Shoe, and Mr. Persbacker, comptroller of American Brake Shoe, succeeds Edward C. Hof, retired.

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South African and Rhodesian Asbestos Fibres

ENQUIRIES WELCOME

A.S.T.M.

Dr. John H. Dillon, Director, Textile Research Institute, Princeton, N. J., is to receive the Harold De Witt Smith Memorial Medal for 1955. This is the sixth award of the medal by Committee D-13 on Textile Materials of the American Society for Testing Materials.

The medal will be presented to Dr. Dillon at a luncheon in his honor on Thursday, March 17, during the spring meeting of Committee D-13, March 15 to 18, at the Statler Hotel, New York City.

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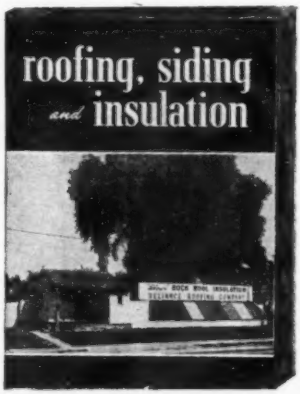

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WESTERN ASBESTOS COMPANY

On December 22nd, fire started in one of the buildings of the Oakland branch warehouse of the Western Asbestos Company. Origin of the fire has not been determined. The blaze was brought under control in about one hour's time. Approximately 80 firemen and 14 pieces of equipment were brought to the scene.

The building, which was completely destroyed was one of three warehouses in the Oakland operations and was constructed of wood, and involved approximately 14,000 square feet of storage area. Various types of material were stored in the warehouse including pipe covering, acoustical materials, rock wool products, etc. Although the fire itself did not destroy all of the material in the ware house, water and stain damage made the loss of material practically complete. The loss, including building and materials, involves approximately $200,000 to $250,000 damage.

At the present time they have leased warehouse space nearby the Oakland branch until plans for rebuilding are completed.

A.S.T.M.

The American Society for Testing Materials has just published its "Directory of Commercial and College Testing Laboratories" which is a successor to the Directory of Commercial and College Laboratories published in 1947 by the U. S. Department of Commerce, National Bureau of Standards, as Miscellaneous Publication M 187. Responsibility for its compilation and publication has been transferred from the National Bureau of Standards to the American Society for Testing Materials by agreement between the two organizations.

Copies may be purchased from the A.S.T.M., 1916 Race Street, Philadelphia 3, Pa. Price $1.00.

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CHANGES IN PERSONNEL AT PABCO

It was recently announced that *Douglas C. Bird* has been appointed plant manager of the new roofing factory being constructed in Wilmington, California.

Mr. Bird, who has had 20 years of experience with Pabco, comes to Wilmington from Portland, Ore., where he was plant manager for Pabco's roofing factory. He will be responsible for plant organization, including selection of staff, training programs and general operations.

The Pabco plant, which will manufacture composition shingles and roll roofing, will be completed about June, 1955.

Walter Simon has been appointed plant manager at the roofing factory in Portland, replacing Douglas C. Bird. He has been with Pabco in its Emeryville, Calif., and Portland plants for 20 years.

G. H. Vincent has been appointed manager of the paint and gypsum products plant at Southgate, Calif. Mr. Vincent with 27 years' experience in the gypsum industry replaces *L. I. Crabbe* who has retired and will serve as a gypsum consultant for the company.

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CASSIAR ASBESTOS CORPORATION LIMITED

Third Annual Report

The third Annual Report, dated September 30, 1954, of the Cassiar Asbestos Corporation Limited (of Toronto, Ont., Canada) has been received from F. M. Connell, President.

As outlined in the report, operations have proceeded satisfactorily throughout the year. Mill construction was completed and the necessary equipment installed to place the 500-ton milling units in operation on July 6, 1954.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness.

		January 1955		
	Par	Low	High	Last
Amer. Br. Shoe (Com)	np	33½	36¼	35⅝
Amer. Br. Shoe (Pfd)	100	100	102¼	101½
Armst. Ck. (Com)	np	83½	90½	86⅛
Armst. Ck. (Pfd)	np	100¼	102	100¼
Armst. Ck. (Conv. Pfd)	np	165	180	170
Asb. Corp. (Com)	np	33½	38½	38½
Carey (Com)	10	27½	33¼	33¼
Cassiar Asb. Corp.	np	$5.95	$8.15	$7.75
Celotex (Com)	np	27¼	30¾	27⅝
Celotex (Pfd)	20	18¾	19⅝	18¾
Certainteed (Com)	1	24⅜	27⅝	25¾
Dominion Asb. Mines	1	$.15½	$.19½	....
Flintkote (Com)	np	38⅝	41¾	40
Flintkote (Pfd)	np	102	102½	102
Johns-Manville (Com)	np	85	91¼	85½
Natl. Gypsum (Com)	1	47⅜	55¾	50
Natl. Gypsum (Pfd)	np	102¼	104½	103½
Pabco Products (Com)	np	23⅛	24⅞	24½
Pabco Products (Pfd)	100	96	96⅛	96
Ray-Man (Com)	np	47½	50	48½
Ruberoid (Com)	1	42½	48¾	46½
Thermoid (Com)	1	7⅞	9	8¼
Thermoid (Pfd)	50	43½	45	44½
Union Asb. & Rub. (Com)	5	9½	11	9⅝
United Asb. (Com)	1	$4.80	$6.55	$5.85
U. S. Gypsum (Com)	20	215½	229	218
U. S. Gypsum (Pfd)	100	180	183	182
U. S. Rubber (Com)	5	40	45½	42¼
U. S. Rubber (Pfd)	100	157¼	162	160¼

JOHNS-MANVILLE CORPORATION

Earl F. Boyle has been elected Vice President and General Manager, and a member of the Board of Directors of Van Cleef Bros., Inc., wholly-owned subsidiary of Johns-Manville Corporation.

Mr. Boyle, who was also elected Vice President of Johns-Manville Sales Corporation, will assume his new post immediately. He has served as J-M Building Products Sales Manager of the Chicago District since 1933. Mr. Boyle joined the Johns-Manville organization in 1916.

Arthur W. Bergman, who has been Mr. Boyle's assistant since 1933 has been promoted to succeed Mr. Boyle as Chicago District Sales Manager for the Johns-Manville Building Products Division. He, too, joined J-M in 1916 and has had wide experience in sales and product development.

CURRENT RANGE OF PRICE

As of February 10, 1955

Arizona—	Per Ton of 2,000 lbs., f.o.b. Globe, Arizona	
No. 1 Crude (soft)	$1,600.00 to	$1,700.00
No. 2 Crude (soft)	1,000.00 to	1,050.00
No. 3 Crude (soft)	450.00 to	500.00
Filter Fibre (soft)	250.00 to	450.00
No. 1 Crude (semi-soft)	1,200 to	1,500.00
No. 2 Crude (semi-soft)	900.00	
No. 3 Crude (semi-soft)	400.00	
Canada—	Per Ton 2000 lbs. f.o.b. Mine	
Group No. 1 (Crude No. 1)	$1,100.00 to	$1,500.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	500.00 to	1,000.00
Group No. 3 (Spinning Fibre)	300.00 to	525.00
Group No. 4 (Shingle Fibre)	150.00 to	200.00
Group No. 5 (Paper Fibre)	100.00 to	140.00
Group No. 6 (Waste, Stucco or Plaster)		77.00
Group No. 7 (Refuse or Shorts)	35.00 to	70.00
Vermont— Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.		
Group No. 3 (Spinning & Filtering)	$ 321.00 to	$ 348.00
Group No. 4 (Shingle Fibre)	156.00 to	173.00
Group No. 5 (Paper Fibre)	109.00 to	132.00
Group No. 6 (Waste, Stucco or Plaster)		77.00
Group No. 7 (Refuse or Shorts)	37.00 to	68.50

WAGE RATE CHANGES

Wage rate changes for Asbestos workers (pipe and boiler coverers) as reported in the January number of the Asbestos Worker (published quarterly by the International Association of Heat and Frost Insulators and Asbestos Workers) are as follows:

Albuquerque, N.M.	$3.10	Oak Ridge, Tenn. (Clinton Engr. Works Maintenance only)	2.34
+10c W.F.			
Austin, Texas	3.00	Edessa, Texas	2.92
+10c W.F.		+7½c W.F.	
Boston Naval Shipyard	2.15	Oklahoma City, Okla.	2.90*
Boston, Mass.	3.07	Pittsburgh, Pa.	3.30
+9c W.F.		+7½c W.F.	
+5c Pension Fund		Providence, R.I.	3.00
Buffalo, N.Y.	3.05	+9c W.F.	
+7½c W.F.		Roanoke, Va.	2.75
Calgary, Alta., Canada	2.10	+7½c W.F.	
Edmonton, Alta., Canada	2.10	San Antonio, Texas	3.00
Kansas City, Mo.	3.05	+7½c W.F.	
+7½c W.F.		Springfield, Mass.	2.95
Little Rock, Ark.	3.00	+9c W.F.	
Long Beach, Cal., Navy Yard	2.31	Springfield, Mo.	2.90

* Agreement expired, negotiations pending.

W.F.—means Welfare Fund.

PLANT IN JAPAN TO MAKE PRODUCT UNDER J-M LICENSE

The International Division is justly proud of its biggest foreign distributor, Tokyo, Kogyo, Boyeki, Shokai (T.K.B.S.) Ltd., which now enters the manufacturing field in Japan with a plant to make refractory cements under the terms of a J-M Technical Assistance Agreement.

This concern is headed by Hajime Fukuoka and is the exclusive distributor for all lines of Johns-Manville products in Japan. The new plant is operated as a subsidiary of T.K.B.S. It is the latest addition to a growing business operation which utilizes the most modern techniques of finance, merchandising, marketing and selling.

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THE ASBESTOS TEXTILE INSTITUTE

Quarterly Meeting

The Asbestos Textile Institute held its fourth quarterly meeting for 1954 in Philadelphia, Pa., on December 1st and 2nd. The sessions held on December 1 were devoted to committee meetings by the several active committees of the Institute including the Air Hygiene Committee under the chairmanship of *H. M. Jackson*, Johns-Manville Corp.; the Sales Promotion Committee, under the chairmanship of *A. E. Whitfield*, Keasbey & Mattison Co. and the Technical Committee under the chairmanship of *J. D. McCluer*, Southern Asbestos Company.

The General Meeting of the Institute was held on December 2, and on that occasion there were many enlightening discussions related to the subjects of interest to the members in attendance. It was also announced at this meeting that the Cape Asbestos Co., Ltd., London, England, had been accepted for Associate Membership in the Institute. The membership of the Institute is now composed of seven regular member companies who are spinners and weavers of asbestos textile with plants located within the continental limits of the United States and nine associate member companies who are either asbestos fibre miners or spinners and weavers with plants outside of the United States. With this ever increasing membership and active member participation, the activities of the Institute are continually being expanded to meet the growing areas of interest.

During the course of this meeting newly elected members of the Board of Governors and the officers of the Institute for 1955 Asbestos Textile Institute.

The officers elected to serve for the ensuing year are: President—*F. J. Wakem*, Johns-Manville Corp.; Vice President—*J. F. Corcoran*, Union Asbestos & Rubber Co.; Treasurer—*J. G. Schoepf*, Asten-Hill Mfg. Co.; Secretary & Asst. Treasurer—*M. C. Shaw*, Asbestos Textile Instiute.

The activities and services provided by the Asbestos Textile Institute for its members and for the industry in general are on an ever increasing scale and it is the sincere hope of all those who are actively engaged in promoting this work that this association may be given additional opportunities to continue to advance the interests of this industry.

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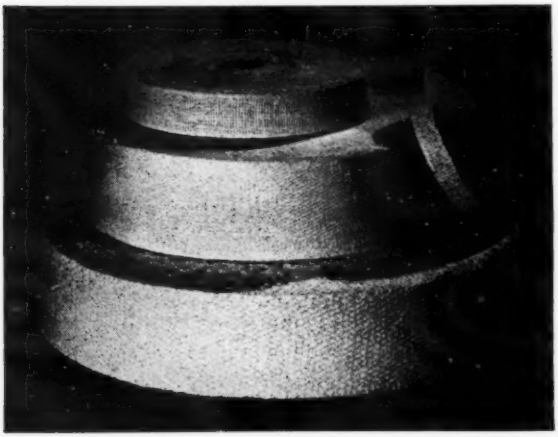

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